

DERWENT-ACC-NO: 1987-226066  
DERWENT-WEEK: 198732  
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TITLE: Breath freshener - contains 4-4'-bis-di:methyl amino-di:phenyl carbinol, sulphonate cpd. and sulphamide salt cpd.

PATENT-ASSIGNEE: SUNSTAR KK (SUNZ)

PRIORITY-DATA: 1985JP-0295567 (December 26, 1985)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 62151757 A	July 6, 1987		003	
<input type="checkbox"/> JP 92067913 B	October 29, 1992		003	G01N033/497

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 62151757A	December 26, 1985	1985JP-0295567	
JP 92067913B	December 26, 1985	1985JP-0295567	
JP 92067913B		JP 62151757	Based on

INT-CL (IPC): G01N 31/22; G01N 33/49; G01N 33/497

ABSTRACTED-PUB-NO: JP 62151757A

BASIC-ABSTRACT:

A breath freshner contains 4,4'-bis-dimethyl-aminodiphenyl carbino (BDC-OH), sulphonate cpd. (I) and sulphamide salt cpd. (II). (II) raises the sensitivity.

The deg. of foul breath correlates to the amt. of volatile sulphides, esp. mercaptan, in the mouth. The sensitivity increasing agents include sulphonate cpd. e.g. Na anthraquinone disulphonate, Na naphthol-disulphonate, etc. sulphamide salt cpd. e.g. benzene sulphonamide sodium, N-alkylbenzene sulphonamide sodium, etc. or sulphimide salt e.g. benzoic acid sulphimide sodium dibenzene sulphimide sodium, etc. can be used. The amt. of the sensitivity-raising agent used is 0.001-40 (pref. 0.1-20) wt.%, based on total wt. of the foul breath detecting agent. When sulphonate cpd. or sulphimide salt cpd. is added in BDC-OH, the sensitivity of BDC-OH for detecting mercapto group can be raised by 2- to 4-fold. The detecting agent is made in a soln. by dissolving BDC-OH and the sensitivity-raising agent in a solvent e.g. acetate buffer liq. or it is made in test paper by impregnating a filter paper with the detecting agent soln. When the foul breath detecting agent is mixed with a suitable amt. of saliva sample and incubated for a prescribed time at 37 deg. C, the mixed soln. discolours. The deg. of discolouration is estimated by eyes or absorbance, etc., which relates to the deg. of foul breath.

ADVANTAGE - The amt. of volatile sulphide cpd. (VSC) in saliva smaple can be detected with detecting agent, so foulness of breath can be estimated by the agent.

ABSTRACTED-PUB-NO: JP 62151757A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 S03